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SEQUENCE LISTING

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<120> DIAGNOSTIC AND THERAPEUTIC USE OF A RAB FAMILY
GTP-BINDING PROTEIN FOR NEURODEGENERATIVE DISEASES

<130> 2335.0030001

<150> PCT/EP2003/007361
<151> 2003-07-09

<150> EP 02015429.0
<151> 2002-07-11

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<151> 2002-07-11

<160> 15

<170> PatentIn Ver. 2.1

<210> 1
<211> 194
<212> PRT
<213> Homo sapiens

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1 5 10 15

Gly Lys Ser Ser Ile Val Cys Arg Phe Val Gln Asp His Phe Asp His
20 25 30

Asn Ile Ser Pro Thr Ile Gly Ala Ser Phe Met Thr Lys Thr Val Pro
35 40 45

Cys Gly Asn Glu Leu His Lys Phe Leu Ile Trp Asp Thr Ala Gly Gln
50 55 60

Glu Arg Phe His Ser Leu Ala Pro Met Tyr Tyr Arg Gly Ser Ala Ala
65 70 75 80

Ala Val Ile Val Tyr Asp Ile Thr Lys Gln Asp Ser Phe Tyr Thr Leu
85 90 95

Lys Lys Trp Val Lys Glu Leu Lys Glu His Gly Pro Glu Asn Ile Val
100 105 110

Met Ala Ile Ala Gly Asn Lys Cys Asp Leu Ser Asp Ile Arg Glu Val
115 120 125

Pro Leu Lys Asp Ala Lys Glu Tyr Ala Glu Ser Ile Gly Ala Ile Val
130 135 140

Val Glu Thr Ser Ala Lys Asn Ala Ile Asn Ile Glu Glu Leu Phe Gln
145 150 155 160

Gly Ile Ser Arg Gln Ile Pro Pro Leu Asp Pro His Glu Asn Gly Asn
165 170 175

Asn Gly Thr Ile Lys Val Glu Lys Pro Thr Met Gln Ala Ser Arg Arg

180

185

190

Cys Cys

<210> 2
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: complete cDNA
of RAB 31 gene

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tcttttatga ccaaaactgt gccttgtga aatgaacttc acaagttcct catctggac 180
actgctggtc aggaacggtt tcattcattt gctccatgt actatcgagg ctcagctgca 240
gctgttatcg tgtatgatat taccaagcag gattcatttt atacctgaa gaaatgggtc 300
aaggagctga aagaacatgg tccagaaaac attgtaatgg ccatcgctgg aaacaagtgc 360
gaccctcttag atattaggta ggttccctg aagatgcta aggaatacgc tgaatccata 420
ggtgcctatcg tggttgagac aagtgcaaaa aatgctatta atatcgaaga gctcttcaa 480
ggaatcagcc gccagatccc acccttgac cccatgaaa atgaaacaa tggaaacaatc 540
aaagttgaga agccaaccat gcaagccagc cgccggtgct gttga 585

<210> 3
<211> 212
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: cDNA fragment
of RAB31 gene

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caactttgat tgttccattt tttccactt catgggggtc caagggtggg atctggcggc 120
tgattccttg aaagagctt tcgatattaa tagcattttt tgcacttgat tcaaccacga 180
tggcacctat ggattcagcg tattccttag ca 212

<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer for
RAB31 gene

<400> 4
actgctgaag gaccctacgc 20

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer for
RAB31 gene

<400> 5

gatgcaaagc cagtgtgctc

20

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer for
cyclophilin B gene

<400> 6

actgaaggcac tacgggcctg

20

<210> 7

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer for
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agccgttggc gtctttgcc

19

<210> 8

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer for
ribosomal protein S9 gene

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ggtcaaattt accctggcca

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<210> 9

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer for
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tctcatcaag cgtcagcagt tc

22

<210> 10

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer for
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19

<210> 11
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<223> Description of Artificial Sequence: Primer for the
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<220>
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<223> Description of Artificial Sequence: Primer for the
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<210> 15
<211> 23

<212> DNA
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<220>

<223> Description of Artificial Sequence: Primer for the
transferrin receptor gene

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